

AMENDMENTS TO THE CLAIMS

1 - 10. (Cancelled).

11. (Currently Amended) An assembly article that is balanced for rotation comprising:

an article that is unbalanced for rotation; and

a balance correction device supported on said unbalanced article, said balance correction device including a first disc having a first slot provided therein; a second disc having a second slot provided therein, ~~wherein portions of said first and second slots are axially aligned with one another~~; and an object received within said ~~axially aligned portions of~~ said first and second slots, wherein said first and second discs are positioned relative to one another to position said object relative to said unbalanced article to balance the assembly unbalanced article for rotation.

12. (Currently Amended) The assembly article defined in Claim 11 further including a housing that supports said first disc, said second disc, and said object on said unbalanced article.

13. (Currently Amended) The assembly article defined in Claim 11 wherein said first slot begins at or near a rotational center of said first disc and extends generally linearly outwardly therefrom.

14. (Currently Amended) The assembly article defined in Claim 11 wherein said second slot begins at or near a rotational center of said second disc and extends generally arcuately outwardly therefrom.

15. (Currently Amended) The assembly article defined in Claim 11 wherein said first slot begins at or near a rotational center of said first disc and extends generally linearly outwardly therefrom, and wherein said second slot begins at or near

a rotational center of said second disc and extends generally arcuately outwardly therefrom.

16. (Currently Amended) The assembly article defined in Claim 11 wherein said object is a ball.

17. (Currently Amended) The assembly article defined in Claim 11 further including a control system for moving said first and second discs are relative to one another to vary the position of said object relative to said unbalanced article

18. (Currently Amended) The assembly article defined in Claim 17 wherein said control system includes a sensor that generates a signal that is representative of a magnitude and location of a corrective action that can be taken to counterbalance the imbalances of said unbalanced article.

19. (Currently Amended) The assembly article defined in Claim 18 wherein said control system further includes a controller that is responsive to said signal from said sensor for moving said first and second discs relative to one another.

20. (Currently Amended) The assembly article defined in Claim 19 wherein said control system further includes first and second motors for moving said first and second discs relative to one another, and wherein controller is responsive to said signal from said sensor for controlling the operation of said first and second motors.

21. (New) A method of balancing an unbalanced article for rotation comprising the steps of:

- (a) providing an article that is unbalanced for rotation;
- (b) providing a balance correction device including a first disc having a first slot provided therein; a second disc having a second slot provided therein; and an object received within said first and second slots;

(c) supporting the balance correction device on the article; and
(d) positioning the first and second discs relative to one another to position the object relative to the unbalanced article to balance the assembly for rotation.

22. (New) The method defined in Claim 21 wherein said step (b) is performed by providing a housing that supports the first disc, the second disc, and the object on the unbalanced article.

23. (New) The method defined in Claim 21 wherein said step (b) is performed by providing a first slot that begins at or near a rotational center of the first disc and extends generally linearly outwardly therefrom.

24. (New) The method defined in Claim 21 wherein said step (b) is performed by providing a second slot that begins at or near a rotational center of the second disc and extends generally arcuately outwardly therefrom.

25. (New) The method defined in Claim 21 wherein said step (b) is performed by providing a first slot that begins at or near a rotational center of the first disc and extends generally linearly outwardly therefrom, and by providing a second slot that begins at or near a rotational center of the second disc and extends generally arcuately outwardly therefrom.

26. (New) The method defined in Claim 21 wherein said step (b) is performed by providing the object as a ball.

27. (New) The method defined in Claim 21 wherein said step (d) is performed by providing a control system for moving the first and second discs relative to one another to vary the position of the object relative to the unbalanced article.

28. (New) The method defined in Claim 27 wherein said step (d) is performed by providing the control system with a sensor that generates a signal that is representative of a magnitude and location of a corrective action that can be taken to counterbalance the imbalances of the unbalanced article.

29. (New) The method defined in Claim 28 wherein said step (d) is performed by further providing the control system with a controller that is responsive to the signal from the sensor for moving the first and second discs relative to one another.

30. (New) The method defined in Claim 29 wherein said step (d) is performed by further providing the control system with first and second motors for moving the first and second discs relative to one another, and the controller being responsive to the signal from the sensor for controlling the operation of the first and second motors.